

Non-Invasive Ventilator

General Specifications and Salient Features

Salient Features

- Three Modes of Operation: Continuous, Timed, and Spontaneous
- Automatic and Manual operation
- Easy to use User Interface
- Programmable respiration cycles
- Statistics of each patient for diagnostics
- Alarms on various events
- HEPA Filter, HME & BV Filters usage to reduce contamination
- Battery Backup for Over 2 Hours



Accessories

- Input HEPA Filter
- Input and output Antibacterial Filters (Two HME + BV Filters)
- Output delivery hose pipe, TEE & Non Vented Face Mask with Oxygen Connector

Basic Modes of Operation

The System operates in the following Modes.

- Continuous Positive Airway Pressure:
- Timed Mode
- Spontaneous/Timed (S/T Mode)

Timed Mode

The Ventilator provides Timed breath delivery with Pressure Support Ventilation. The unit cycles between the IPAP and EPAP levels based solely on the timing intervals.

Continuous Positive Airway Pressure (CPAP)

The Ventilator provides Continuous fixed Positive Airway Pressure.

Spontaneous/Timed (S/T Mode)

The Ventilator provides spontaneous or Timed breath delivery with Pressure Support Spontaneous Ventilation. The unit cycles between the IPAP and EPAP levels in response to patient triggering. This Mode synchronizes patient breath cycle with the Ventilation mechanism.

Detailed Specifications of Zerokost - Non Invasive Ventilator

Parameter	Specification
Pressure Range	4 - 25 cm H ₂ O
CPAP Ramp Time	0 to 60 min (with 5 min increment)
Breath Rate (BPM)	5 - 30 Beats Per Minute
Compliance Meter	Breathing Detection
Data Storage Capacity	Up to 3 Months, Configurable. 16 GB Memory
Electrical	100-240 VAC, 50 to 60 Hz (nominal)
Battery Backup	2 Hours of backup with Li-Ion Batteries Easily detachable battery pack
Device Setup	Through LCD & Push Buttons
Alarms (Total 10 Alarms)	Low Pressure, High Pressure, High Breath Rate, High VTI, Low VTI & Low Battery, High Temperature/Low RPM/High RPM, Over Current, Very Low Pressure, Very High Pressure
Additional Features	Configuration Settings for Pressure of operation, Rate Setting, Number of cycles
Filters	Input HEPA Filter, HME & BV filters to prevent contamination during Inhaling & Exhaling period.
Operating Temperature	5°C to 35°C (41°F to 95°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Relative Humidity (Operating & Storage)	15 to 95% (non-condensing)
Volume (Approx.)	470 mm (L) X 350 mm (W) X 135 mm (H)
Atmospheric Pressure	101 to 77 k Pa (0 - 2286 m / 0 - 7500 ft.)
Weight	Approximately 3.0 Kgs

Note: Zerokost reserves the right to change the specifications of the Products (based on customer feedback and/or other reasons) without any notice.

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